

THE TECH

VOL. XXVII. No. 37

BOSTON, MASS., WEDNESDAY, JANUARY 1, 1908

PRICE THREE CENTS



MANAGER A. L. MOSES

FENCING ON MORE STABLE BASIS THAN EVER BEFORE.

FENCING CLUB GETS CREDIT.

Capt. Loring Expects Team to Make A Good Record.

Fencing at Technology is on a more stable basis than ever before. The Fencing Club which was organized this fall has brought out a greater number of candidates, and has kept the best of these men in training. Several good meets have been arranged for the winter and the team should make a good showing at the national intercollegiate meet in March.

The system of the club is to pick the best six men every month by competition to form a squad which trains every day instead of only three times a week. The extra coaching of these men is paid for by the club. A man cutting more



LUCIEN FOURNON.

than twice in two weeks forfeits his place on the squad to the man next in line.

At present the varsity squad is made up of E. M. Loring 1900, F. J. Lange 1900, J. W. Nickerson 1900, R. Chinchilla 1900, R. Gallegos 1910 and W. B. Jones 1911. V. C. Grubnan 1909 is next on the list.

(Continued on page 3.)



CAPTAIN E. M. LORING

APPROVED BY SENIORS AND JUNIORS.

ARCH. SOCIETY ALSO PASSES RESOLUTIONS IN FAVOR.

Use of Copely Hall as Temporary Union Receives General Approval.

The Seniors and Juniors have shown their approval of the idea of using the Copley Hall building as a temporary Union or Walker Memorial. Resolutions showing that fact have not been prepared, as these classes are awaiting until the lower classes take action on the matter. One set of resolutions will be prepared for the four classes and signed by the committee from each.

The Architectural Society has put itself on record through its executive committee in favor of the proposal. The Tech Show is preparing resolutions as is the Technique and various other organizations.

At the Senior meeting on Monday there was some discussion, the sense of the meeting being very much in favor of the idea. The class showed its approval, leaving the matter of drawing up the resolutions to a committee appointed by the President.

The Juniors passed an unanimous vote of approval, and left the matter of resolutions to a committee to be appointed by the President. This committee is to confer with the committees of the other classes.

The combined resolutions will probably (Continued on page 2.)

INDOOR TRACK MEET TO BE HELD JAN. 10.

URGENT CALL FOR CANDIDATES.

Tech to Match With Williams at B. A. A. Games.

On account of the date of the annual indoor inter-class track meet coming so soon after the Christmas vacation it has been decided to postpone it until the 10th of the month. At this time the regular events that can be run off in the Gym will be contested.

Candidates for the track team have been very slow in coming out for indoor work this season and Coach Kanaly has been much handicapped by the scarcity of men. The season is now well started and all men who intend to come out for the team should do so without delay.

Tech is to enter a team in the relay races at the B. A. A. games on the first of February and it is imperative that more candidates for the team should come out immediately if Tech is to be properly represented. The team will this year race Williams and the contest promises to be a harder one than has been met in the past. The very best kind of support is thus needed.



F. J. LANGE

TECH AND TUFTS PLAY GAME TONIGHT.

THIS IS TUFTS FIRST GAME.

Tech is Strong and Eager to Make Up For Tufts' Two Victories of Last Year.

Technology meets Tufts tonight at Medford in the third basket-ball game of the season. Last year Tufts took two games from Tech, the scores being 26-13 and 15-14. This season Tech is represented by a much stronger team and should be able to turn the tables.

Tufts has several new men on her team and is at a little disadvantage in that this is her first game of the season. On the other hand familiarity with the floor will help her.

Technology has put in some strenuous practice, and Captain Wentworth hopes to pull out a victory. A few "rooters"



P. M. WENTWORTH.

would greatly strengthen the team's chances.

The probable line-up is as follows:—
Technology. Tufts.
Cahill, r.f. l.g., Wallace
Hargraves, l.f. r.g., Seede
Wentworth, c. c., Getchell
Nichols, r.g. l.f., Dickinson
Parker, l.g. r.f., Hatch

PROF. WALKER ELECTS PRESIDENT.

Prof. W. H. Walker of the department of industrial chemistry, who is a graduate of Pennsylvania State College and a member of its board of trustees, recently attended a meeting of the trustees held to elect a president of the college. Dr. Edwin E. Sparks, professor of American history at Chicago University, was chosen.



A. H. TURNER

PROF. DALY IS COMPLETING WORK.

WRITING REPORT FOR CANADIAN BOUNDARY COMMISSION.

Other Members of Geological Department Also Busy With Investigations and Research.

Professor R. A. Daly, who has come to the Institute this year to take charge of the research work in structural geology, is at present occupied in completing his previous work. For six years, from 1901 to 1906, he has done continuous field work as geologist for the Canadian International Boundary Commission.

His work has consisted in making a geological survey of a strip of country nine to ten miles wide on each side of the international boundary, from the Gulf of Georgia, on the Pacific coast, to the great plains of Montana and Alberta. The United States government sent three reconnaissance parties into the field in 1901 and then withdrew. They furnished, however, some of the maps which Prof. Daly used. The other maps employed were made by the commission.

All kinds of country and geology were encountered, typical samples of the Cordillera. Much important representative material was collected and 1200 photographs taken. It will take about eighteen months to write up the report which will be published in one or two volumes, accompanied by thirty atlas sheets.

Professor Daly was accompanied by Dr. J. M. Macoun, a prominent naturalist, who will prepare a report on the botany and zoology of the region. The report will therefore be not only about a practically virgin territory, but will be very complete and of great value.

Dr. H. W. Shimer, instructor in paleontology, is offering advanced courses in both paleontology and stratigraphic geology. Last year one of the advanced students, Miss Mildred Blodgett, with Dr. Shimer's assistance identified and described some of the fossils collected by Dr. Shimer in New Mexico, thus correlating or determining the age of the rocks from which they were obtained.

Two new varieties, dwarf species, were found, showing that the locality in which they were collected was not, at the time that they lived, the Cretaceous, as favorable for their development as certain other localities where they attain their normal size. From this fact, it is argued that during the Cretaceous period, northern New Mexico, southern Colorado, and southeastern Utah was merely an embayment of the Cretaceous seas. These results reached by Dr. Shimer and Miss Blodgett are to appear shortly in the American Journal of Science.

Dr. Loughlin, instructor in the Geological Department, has been connected with the United States and Connecticut

(Continued on page 3.)

THE TECH

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Wednesday, January 1, 1908.

DISCUSS AND APPROVE.

Now that every student has heard about the idea of using the Copley Hall building as a temporary Walker Memorial or Union, every student should say what he thinks of the idea.

The movement took its form to show to the Corporation and Walker Memorial Committee that there was a demand for suitable accommodations for the development of the social side of student life. The expressions at the class meetings, in the resolutions of the Architectural Society and from individual students who have thought anything about the matter show that there is a demand.

It is the duty of every student at the Institute, either individually or, better collectively through his class or other organizations, to express his approval of the plan.

The students should say that they want a Union, a student's house, a student's meeting place. The should say it once, should say it twice, should say it very loud and clear, should go and shout it in their ear.

The benefits of a Union in the Copley Hall building ought to be very evident to all. In the main Institute buildings there is no place for the students to meet during the noon hour, except in the entry-ways, libraries, or on the street. The libraries are out of the question as places for discussion and smoke.

The entrances to the present Union are over a half mile from Rogers and Walker Buildings while it is at least a half mile from the entrances of the other Institute buildings. Together with the distance to the present union, is added the inaccessibility, one entrance being off a back alley, while the other entrance is at the end of a blind street. Only those who frequent the present union can testify to the usual poor condition of the approaches to this building.

The central situation with the facilities in the building would make it the noon rendezvous of the Faculty, instructing staff and whole undergraduate body. As can be seen from the description of the building there would be plenty of room for offices for the various activities, together with lounging and smoking rooms for the professors and students, a place for a well equipped and centrally located alumni association office, and small dining rooms for the various clubs and societies. Indeed it is very probable that if such a dining room became an actuality and offered a good board that three meals a day could be served. Such an arrangement is a reality at Harvard in the Memorial Hall dining room, which serves good food at more reasonable prices than private boarding houses, being run economically and serves as a splendid center for student life.

For the various organizations at the Institute ample office room in this building would be a great boon. As the building would soon become the center of student life, there would be plenty of candidates for all activities. The boards of the two publications, The Tech and Technique, with good sized offices on the ground floor could work at a great advantage with little loss of time, and with greater efficiency. The Tech Show would be able to hold rehearsals of the whole cast all at the same time on the fair sized stage. The Show offices would also be of good size, well equipped and convenient, instead of in the corner of the trophy room along with a half dozen other organizations.

Several rooms could be fitted up for meeting rooms of the various committees and societies; notably the Institute Committee which now meets under very unfavorable circumstances in the same

room with the Tech Show management and the Technique board.

The musical clubs would be greatly benefited by meeting rooms in the Copley Hall, as would the Class Day Committee of the Senior class, the Civic Club, the state clubs, the professional societies, together with all other committees and organizations. Class dinners in a hall like Copley would mean something, as would Kommers.

The placing of the offices of the various student organizations together with the office of the alumni association and the coat room in the Copley Hall building would greatly relieve the congested condition of the Rogers Building.

APPROVED BY SENIORS AND JUNIORS.

(Continued from page 1.)

ably appear in the Friday's issue of The Tech.

The following are the resolutions of the Architectural Society:—

Whereas: A movement has been put on foot by the Institute Committee and the Board of Editors of The Tech to utilize the building known as Copley Hall as a temporary habitation for the Walker Memorial Building until a permanent building shall be erected; and

Whereas: The Architectural Society of the Massachusetts Institute of Technology has long felt the need of more commodious quarters in the Union;

Resolved: That the Architectural Society place itself on record as in full accord with this movement be it also

Resolved: That the Agricultural Society express its readiness to cooperate with the Institute Committee, with the Board of Editors of The Tech, with the other student organizations to further this movement, and be it further

Resolved: That these resolutions be published in The Tech.

For the Architectural Society by the Executive Committee.

W. FRED DOLKE JR., Chairman,
RUSSELL A. CRANE,
H. L. KUEHNE,
EDGAR I. WILLIAMS, Pres.

SENIORS BEGAN TEST YESTERDAY.

Annual 96-Hour Test On Electrical Laboratory Engines Now on.

The seniors in Courses II, VI, X, and XIII, started their 96-hour test on the electrical plant in the Lowell laboratory at 8 A. M. yesterday. The object is the coal consumption per kilowatt-hour.

The 132 men on the test will work in relays in eight hour shifts, 15 men in the day and 8 men at night, thus making possible a continuous run until Saturday morning.

During the day, from 9 till 5, the large Russell engine will be run besides the Westinghouse, and at night the Westinghouse alone will be used. Besides supplying steam for these engines, the boilers make steam for the heating system which is kept going night and day. In the day-time the boilers are working at from fifty to eighty per cent. overload. At night the load drops to about normal.

In the course of the test data will be taken on the performance of the boilers and engines, and on the electrical production of the generators.

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AND

AMERICAN

PLANS

FENCING ON MORE STABLE BASIS.

(Continued from page 1.)

Manager Moses and the candidates for assistant manager, E. R. Jackson 1910, M. S. Chapin 1910, and L. G. Glazier 1911, have received subscriptions for about \$40, \$25 of which has been paid. Unless the balance of this money is paid promptly and more subscribed it will be impossible to keep up the present system of coaching and the team will lose in efficiency.

The schedule of meets is as follows:
Jan. 11—Springfield Training School at the Gyn.

Jan. 18—Harvard at Cambridge.

Feb. 29—Harvard and Yale at the Gyn.

Negotiations are under way for another triangular meet with Pennsylvania and Cornell. The National inter-collegiate meet comes the last of March in New York. Manager Moses goes to New York Saturday to attend the inter-collegiate meeting of managers and captains to arrange for the date of the meet.

Capt. Loring says, "If the fellows keep constantly at work and continue to show the improvement which they have lately, I think we stand a good show against Springfield and Harvard. Yale is the only team we have to fear."

The team is greatly handicapped this year by the loss of A. H. Turner, who has been obliged to give up fencing on account of heavy work. Loring is showing better form than last year. Lange, also of last year's team, is showing improvement. J. W. Nickerson 1909 and V. C. Grubnau 1909 are probably the next best men. Coach Fournon deserves much credit for his consistent work with the team.

The last monthly exhibition will be held at 22 St. Botolph St., Saturday at 8.30 P. M. The finals of an interclass meet will be fought, a prize duelling sword contest, and a handicap individual foil competition.

The class teams are: 1909—V. C. Grubnau, J. W. Nickerson, R. Chinchilla; 1910—D. Clapp, R. Van Etvelde, R. Gallegos; 1911—W. Jones, W. Doane, G. B. Wilbur.

The entries for the duelling sword contest are Loring 1909, Nickerson 1909, Gallegos 1910, and Mr. Cushing.

The entries for the handicap foil competition are: Loring 1909, Lange 1909, Nickerson 1909, Chinchilla 1909, A. Weeks 1909, Grubnau 1909, Gallegos 1910. Tickets for the exhibition may be obtained by a written application to the Secretary of the Fencing Club, care of the Cage.

PROF. DALY COMPLETING WORK.

(Continued from page 1.)

Geological Survey since the summer of 1903. He has already worked up the clays of the state, and the glacial geology of eastern Connecticut. He is at present at work on a detailed report on an area in south-eastern Connecticut, embracing the towns of Preston, Stonington, Voluntown and Griswold, which will be published as a bulletin of the United States Geological Survey.

He has also added to the petrographical collection of the Institute by presenting a collection of 40 specimens of the type rocks of Connecticut. The sets are distributed by the state survey and a bulletin, written by Professor Barrell of Yale, and Dr. Loughlin, is soon to be published, containing descriptions of every specimen.

RUSSIAN INSTRUCTOR AT TECH.

Carrying on Research Work on Metals.

Mr. Mostowitsch, an instructor from the Technical Institute in Tomsk, Siberia, is at present working in the Research Laboratory of Physical Chemistry. Mr. Mostowitsch is a mining engineer and has spent several years in the German universities at Berlin and Friburg and also at the School of Mines in Clausthal, Prussia.

He has been sent by the Siberian Institute to study American schools in which mining engineering is taught, and also to carry on an investigation of the chemical reactions occurring in certain metallurgical processes. Mr. Mostowitsch has been in America only a few weeks and is seriously handicapped at present by his imperfect knowledge of English.

PROF. PRESCOTT AT CHICAGO.

Professor S. C. Prescott is now in Chicago attending the annual meeting of the Society of American Bacteriologists, of which he is the Secretary. He goes as the representative of the Biological Department, and will attend also some of the meetings of the American Association for the Advancement of Science besides visiting, as far as time allows, sanitary and industrial laboratories in and about Chicago.

Professor E. B. Phelps has lately been elected to the important position of Chairman of the Committee on Standard Methods of Water and Sewage Analysis, American Public Health Association.

The Technology Review

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CALENDAR.

Wednesday, January 1.

1.00 P.M. Sophomore Class Meeting in
Huntington Hall.
4.00 P.M. Senior Portfolio Committee
Nominations Close.
8.00 P.M. Basketball, Technology vs.
Tufts at Medford.

Thursday, January 2.

1.00 P.M. Freshman Class Meeting in
Huntington Hall.
1.30 P.M. Y. M. C. A. Meeting in
Trinity Church Library.

FACULTY NOTICE.

FIRST YEAR ENTRANCE CONDI-
TION EXAMINATIONS.—First year
students admitted with entrance con-
ditions are expected to take at the end
of the present term examinations in all
such entrance subjects, except as they
have already been excused specifically
from any of these conditions on the basis
of good term work in allied subjects.

Special students taking no work de-
pendent upon entrance subjects in which
they have conditions, may omit these
examinations at this time. Such stu-
dents, however, if they desire to become
regular may take the entrance exam-
inations in June or September.

A. L. MERRILL,
Secretary of the Faculty.

NOTICES.

Y. M. C. A.—Rev. Herbert S. Johnson
will address the Y. M. C. A. meeting to-
morrow in Trinity Church Library.

1911 FOOTBALL.—Meet Saturday,
1.15 P. M., at Chickering's, 31 West St.,
for picture. Bring suits and sweaters.

RIFLE CLUB.—Annual Meeting, in-
cluding election of new officers for the
year, will be held in 33 Rogers, on Sat-
urday, at 1 P. M.

TECH SHOW.—Men who expect to
write music for the Show will meet the
Stage Manager, G. A. Joslin, in 34
Rogers at 4.20 Friday, January 3.

LOVELL INSSTITUTE.—The Cura-
tor regrets to have to announce that
Professor Mahaffy is detained in Dub-
lin by illness in his family. His Course
on Modern Civilization and Greek Genius
is accordingly postponed until further
notice.

WILL COMPLETE SETS OF JOURNALS.

After a careful examination of the pe-
riodicals in the Chemical Library during
the past year, arrangements have been
made for the completion of certain sets
of foreign publications. Those which are
to be completed are the ones not found
in the Boston Public Library or in the
library of the American Academy of Arts
and Sciences, the aim being to sup-
plement rather than to duplicate these
collections.

Exceptions have been made in the case
of certain foreign journals of which the
department has already nearly complete
sets.

The library has received a number of
monographs and treatises upon those
subjects in which the department is most
actively interested. It is especially
strong on the theoretical, industrial, and
analytical sides. Less attention is paid
to agricultural, physiological and phar-
maceutical chemistry.

CLASSIFIED ADS.

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